Notebook, N-09-02-25.1

Lenght of stock for Long tubes made by Lund 5½" Long

Lenght of tube when finished 4.472 Long

All Long tubes should be soaked for 24 hours before putting on boards.

Long tubes

10000 21 hole .05 2 3½ lb wt

Req Tubes – 708 Big drum green Thin 20 mesh. 7 flake oxidized & reduced hydrogen [general flake] 24 green

Layer loading

21% KOH. 1 gram 1.0 H. each cell

average flake 7.8 green 24.	343 dumps	Wt	11.200.
10001	341 dumps	Wt	11.367
10002	333 .	Wt	11.253.

10003
Except Dup 10000 RUN COL□

337 dumper LOT 11.216

10004 332 . LOT 11.293

10005 328 . LOT 11.310

10006-

Dup 10000
Except 21% KOH 2 grms Li OH
each cell-

	331 clamps	Wt	11.247
10007	332	Wt	11.203
10008	332	Wt	11.485

10009

Dup 10006
Except RUN COL □

	346 dumps	WF	11.609
10010	346	WF	11.547
10011	334	WF	11.352

10012 Dup 10000

Except 21% 3 gms VIBA each cell

336 dumps lot 11.488

10013 330 " lot 11.320

10014 331 " lot 11.445

10015

Dup 10012

RUN COLD

	328 dumps	Leaf	~~11.300~~ 11.405
10016	329 "	Leaf	11.350
10017	331 "	Leaf	11.317

10018 Dup 10 000

21% KOH. 4 grms √ 1 off Each cell

305 dumps Lot 11.402

10019 320 " Lot 11.550.

10020 337 " Lot 11.572

10021

Dup 10018

RUN COLD

330 dumps Wt 11.331

10022 328 " Lot ~~11.165~~ 11.265

10023 328 " Lot 11.343

10024 Dup 10 000

21% KOH, 6 grms LiOH each cell.

329 dumps lot ~~11.356~~ 11.456

10025 326 " lot 11.547.

10026 324 " lot 11.318

10027 Dup 10024

RUN COLD

3/8 clamps. Lot //.563.

10028 336 . Lot //.555

10029 385 . Lot //.362

10030

Dup 10000

21% KOH. 9 grms KOH Each cell

	330 dumps	Wet	11.390.
10031	333	"	Wet	11.330
10032	330	"	Wet	11.630 ?

10033

Dup 10030

RUN COLD

average flake 7.4
" grain 24.1

		334 dumps		11.498.
10034	346	"	Lot	11.434
10035	365		Lot	~~11.775~~ 10.715

10036

Dup 10000

21% KOH. 12 gms LiOH.

Each cell.

	363 dumps	lost	11.232
10037	348 "	lost	11.186.
10038	368 "	lost	11.465.

10039 — Dup 10000.

25%KOH - 1 grm 2.0N Each cell.

Filelee average 7.1

Green	23.8	3x3 dumpy	wt	10.977
1034 Big green.				
	10040	3x1	wt	10.819
	10041	3x0	wt	11.135

Green 1034

10042

Dup 10039

RUN COLD

	338 dumpie	Wt	10.919
10043	332	Wt	~~10.036~~ 11.036
10044	325	Wt	10.971

10045

Dup 10000

25% KOH, 2 grms √ 10 ml

Each cell

Flaked 7.1 Green 23.8		309 dumps	Lot	11.097
	10046	317	" Lot	11.157
	10047	313	" Lot	11.020

Drum 1084

10048

Dup 10045

RUN COLD

Flakes average 7.1
Green " 23.8 3½ dumps Cut ~~10.707~~ 10.827

10049 341 . Cut 10.995

Remarks: ends 10050 335 , Cut 11.029
Fred changed Stirrer to a three tooth one instead of six as it was, because pins bent and broke off so often.

10051

Drug 10000

25% KOH 3 grms 1.0 cc Ether

Yield 7.1 329 dumps Wet 11.001

Grew 23.8

10052 332 " Wet 11.293

10053 331 " Wet 11.299

Grew 108

10054 Dup 10051

RUN COLD

Flaked 7.1	327 dumps	Lot	11.131
Green 23.8			
10055	316 ·	Lot	10.928
10056	326 ·	Lot	11.205
Iron 1084			

10057

Dup 10 000

25% KOH. 4 grms of 10% Ba(OH)2

Flake 7.1
Brew 23.8 317. dumps Wet 11.501

10058 316 " Wet 11.117

10059 302 " Wet 11.028
Brew 1.22

10060

Dup 10057

RUN COLD

Flake 7.1	317 dumps	lot	11.535
Green 23.8			
10061	301	lot	11.255
10062	308	lot	11.151

Iron 10.4

10063-

Dup 10000

25% KOH. 6 grms Li OH Enriched

Flabby 72 3/6 dumps lot 11.155

Green 239

10064 3/8 " lot 11.185

10065 3/6 " lot 10.965

Draw 1084

10066

Dup 10063

RUN COLD

Flotation average T.I. Grain " 2.89. 318 dumps LOT 10.740 crackdown

10067 328 " LOT 10.920

10068 326 " LOT 10.905

10069 Dup 10000

25% KOH 9 grms LiOH EachCell

Yellow 72 205 dumps lot /0.770
Green 239
10070 204 . lot /0.930
10071 328 . lot ~~/0.092~~ /1.028

Green 108

10072

Dup 10069

RUNCOLL

31 f clumps Lot 10.928.

10073-318 - Lot 10.845

10074-321 - Lot 11.115

10075 Dup 10000.

25% RDH 12 grms Li Off, EndCell

Drawn 23.9
Yielded 7.2

3/8 decmps Coff 10.920

10076 31f. Coff 11.050

10077 35s. Coff 11.250

Draw 10g's

10078 Dup 10075

RUN COLD

227 clumps Cut 11.175

10079 331 , Cut 10.530

10080 336 , Cut 10.620.

10081

Dup 10000

33% KOH. 1 gm Li OH Ecolecell

Filtered 7.2 372 drops Lot 10.610

Green 239

10082 358 . Lot 10.395

10083 351 . Lot ~~10.453~~ 10.553

Green 28

10084 Dup 10081

RUNCOLD

352 dumps Lot 10.585

10085 357 · Lot 10.585

10086 360 · Lot 10.705

10087 Dup 10.000

33% KOH 2 grams 1 BM each cell

Flake Green 356 dumps lot 10.698

10088 352 . lot 10.718

10089 353 . lot 10.688

10090.

Dup 10087

RUNCOLD

	349 dump.	lot	~~10.645~~ 10.545
10091	357	lot	10.743
10092	354	lot	10.676

10093 Dup 10000

33% ROff. 3 gms 4.0 M Ferro cell

350 dumps Cat ~~10.735~~ 10.530

10094 ~~353~~ 353 " Cat 10.6%

10095 354 " Cat 10.765

10096 Dup 10093

RUN COLD

35 / dump COF /0.745

10097 34 · COF /0.580

10098 35 · COF /0.780

10099 Dup 10 000.

33% KOH. 4 grms LiOH Eaccell

3½ dumps. lot 10.650

10100 3½ . lot 10.650

10101 3½ . lot 10.650

10102

Dup 10099

RUN COLT

	347 diamper	Colt	10.620
10103	348	Colt	10.380
10104	350	Colt	10.548

10105

Dup 10 0000

33⅓ KOH. 6 grms diOH Each

CaCl –

353 dumps lot 10.750

10106 351 " lot 10.500

10107 350 " lot ~~10.375~~ 10.575

10108 Dcep 10105

RUN COLD

356 cuttings LOT 10.880

10109 352 " LOT 10.882

10110 ~~330~~ 349 " LOT 10.897

10111 Dup 10 000.

33% KOH. 9 grms of LiOH Evaporated off

347 grams Cut 10.77

10112 349 " Cut 10.720

10113 347 " Cut 10.720

3 | 32217

10.739

10114 Dup 10111

RUNCOLD

	344 clamps	Lot	10.750
10115	349 "	Lot	10.442
10116	348 "	Lot	10.648

10117

21 Hole 005 1½ 3½ 237

7 flake general Oxidized

24 Tool Big Drum –

21% Rott.

To be charged 4500 Milampere hours at ¼ of the Regular rate.
Stocked Regular rate.

See flake 68
Green 239
Hole 104 Big irons. Cracked and 339 dumped lot 10.823

10118 337 - lot 10.806

10119 336 - lot 10.812

10120

Dup 10117

21% KOH. 2 grams 2.0gms -

to be changed 1/4 Reg rate,

331/dumps Wet 10,648

10121 Bleached end 334 " Wet 10,720

101221 332 " Wet 10,743

10123

Dup 10117

Charged 1/4 rate 4500 m.l amp

discharged only to 75% of Capacity (estimated) 3 times - then charged at 1/2 rate

21% KOH

330 dumb Wet 10.808

10124 330 " Wet 10.752

10125 335 " Wet 10.742

10126 Long Cans

Reg long tubes 4 dro 2 ½ thick
square flake oxidized are reduced by
Hydrogen 3 ½ 237 708 Bd green

21% Containing 50 milligrams Lith Zinc each cell.
Rods ½
Grain 28.9

353 dimple Lot 10,325

10127 353 " Lot 10,197

10128 346 " Lot 10,070

10129

Dup 10126

Except Run Cold

Cracked and 367 dumpies		Lot	10.030
10130 " " 360 "		Lot	10.075
10131 " " 358 "		Lot	10.090

10132

Dup 10126.

21% ROH. 100 milg LiOH Each cc—

Cracked end 355 dumpt lot 9.935

10133 1/2 359 " lot 10.010

10133 Cracked end 358 " lot 10.035

10134

Dup 10132

Except RUN COLD

Cracked end 361 dumper	Cut	10.020
10135 Cracked end 359	Cut	10,095
10136 " " 353	Cut	10,000

10137

Dup 10126

Except 21-/ROH, 200 Mlg/LiOH Excellent

	351 dumper	LOF	9.995
10138	355 "	LOF	10.100
10139 Breakthrough	247 "	LOF	10.005

10140

Dup 10137

Except RUN COLD

Preloaded end 360 dumps		Lot	10.100
10141	356 "	Lot	9.965
10142	344 "	Lot	10.221

#1123424 Flatbed #10142
3 Flatbed 4x24.2
2 Drawn 24.2

Weights Exceed up -
Weights kept Beam corrected

10143

Dup 10126

21% KOth. 400 mlg/l 10th Each ecce

Flaked 4.2

Green 242 346 dumpa Wet 10,265

10144 343 " Wet 10,372

10145 348 " Wet 10337

new batch off flakes from this grow row

10146 Dup 10143.

Except RUN COL D

347 dumfee Lot 10,222

10147 Threshed and 346 " Lot 10,217

10148 352 " Lot 10,358

10149

Dup 10126

21% KOH. 700 mlg LOH Each cell

347 dup LOT 10.283

10150 . 346 " LOT 10.243

10151 342 . LOT 10,313

10152

Dup 10149.

Except RUN COLD

	3rd dump LOT	10,280
10153	bracketed end 3rd " LOT	10,234
10154	3rd " LOT	10,244

10155

Dup 10126

Except 21% KOH, 1 gm. LiOH each cell-

Hooper not to change the solution at any time only fill with water - Be careful that when they run 60 and the solution is not changed want same solution during whole life of the cell.

≡1123+1124 Blank 4.2 339 dup WT 10232

Green 24.2

10156 339 " WT 10248

10157 339 " WT 10284

10158

Dup 10155 -

Except 21% KOH 2 grms LiOH, Ecarbonate
Dont change the Valuations at anytime -
during whole Life of the Cell

346 dumped Cut 10,318

10159 347 " Cut 10,247

10160 Checked and 339 " Cut 10.259

10161

Dup 10155

Except. 21% KOH 3 grms. 1/10%. Fresh cell

Don't change the solutions during the cohabitation of the cell

	342 grms per Wt	10,335
10162	335 " Wt	10,227
10163	340 " Wt	10,276

10164

Dup 10155

Except 25% KCH, 1 grm 10th excellent

Don't change values during whole life of the coin.

340 dumpy lot 10287

10165 Bracketed 348 " lot 10337

10166 " " 337 " lot 10227

10167

Dup 10164

25% NBH, 2 gms x 10 H Each acce

Does change the variations during whole life of the acce

345 plumpa Wet 10,292

10168 343 " Wet 10,236

10169 340 " Wet 10,328

10170

Dup 10164

25% KOH 3 grms 2 lbs Each as CC

Dont change solution during whole life of the acc —

	327 dumps	CCl	10,282
10171	343 "	CCl	10,390
10172	343 "	CCl	10,260

10173

Dup 10164

25% ROH, 4 gms x 10 ml Each cccc

Dont change the variation during whole life of the cccc —

349 dup of 10174

10174 351 " 10240

10175 Crashed out 349 " 10241

10176

Dup 10164

25% RH. 6 gms KOH Each cell

Dark changes taking during whole life of the cell —

	349 dumped lot	10,218
10177	346 " lot	10218
10178	350 " lot	10.311

10179 Dust fall Below 4 mdg flake

Reg Long Tubes – 3½ 237

No 2 ½ thick flake 4 mdgns - oxdzd -

24 mdg RA 719 - Drained in

fatter 6aq 2 hours

21% KOH,

4 flake 4.4 marked cent comp Wt 11.384

Green 24.0

10180 380 . Wt 11.238

10181 392 - Wt 11.347

3 | 339 69
113 23
8 45
5 66 15
5 27
45 84 35
9.56 9.5679

10182

Dup 10179

21% KOH 2 grams 2.0 ml.

391 dumfor lost 11.211

10182 382 " lost 11.195

10184 400 " lost 11.319

3) 33725

11242

10185-

Dup 10179

Run in 25% KOH-

381 dumpled Wt 11.269

10186 382 " Wt 11.324

10187 383 " Wt 11.360

3 | 33940

11313

10188

Dup 10185

25% KOH 2 grams 1.0 ml.

Shakedown 376 dumps LOT 11252

10189 377 " LOT 11249

10190 379 " LOT 11221

$3\overline{)33722}$

11261

10191

Dup 10179-

Run in 27% RQ#1.

376 dumps Wet 11,281

10192 377 " Wet 11,285

10193 378 " Wet 11,308

3 | 33874

11291

Dif Sqr flake —

10194

Dup 10191

27% KOH 2 grms 2.00 —

Green 24.0

Flakes 4.1 385 dumped COF 11.156

#123+124 flakes

10195 Scratched only 385 " COF 11.130

10196 380 " COF 11,207

This group was made from a new lot of ½ flake squares pinched through 16 on 30 mesh. Flakes not quite as bulky as the last lot #121+22 Tisserley had trouble to get copper out as some of granules were dull & threw dust over — Hence Green. Considerable Long time in Liquor — Practically no dust Caked due to many leaves stuck together —

10197

Dup 10179

Except 719 RA Drained in
fitter Gag 3 hours

21 % KOH,

Filipino 4.1
Green 24.3

363 dumpy Wet 10.986

10198 367 " Wet 10.890

10199 Greenhead 347 " Wet 10.965

10200

Dup 10197

21g/a NaOH 2 grams/100 ml

Cracked mud	346 dumps	Wet	10.970
10201	340 "	Wet	10.880
10202 Cracked mud	337	Wet	10.902

10203

Dup 10179

Except RA 719 Drained

in filter bag 4 hours

21% NaOH.

11234 26 Filtrate 4.1

Green 24.0 385 drops LOF 11.511

10204 385 " LOF 11.426

10205 382 " LOF 11.484

10206

Dup 10203

21% NaH 2 gms (10 ~~gms~~)

371 dumped wet 11,444

10207 shoveled out 382 wet 11,459

10208 384 wet 11,547

10209

Dup 10179

Except Rd 719 Drained

w filter bag 10 hours

2 1/2% NaCl —

Flake 4.1

Green 24.2 320 drumlin Wet 10499

10210 Shackleford 335 - Wet 10479

10211 332 - Wet 10410

10212

Dup 10209

21% NOH, 2 gms 2.0H.

330 duplicate WF 10,404

10213 331 " WF 10,500

10214 Heated and 329 " WF 10463

10215

3 Tubes Rogers neon Tubes
Read Jenny 212 These Tubes have
one row of perforations left
off next to Lamb - 4 No 3 flake
acid treated 1/2 = 719 grams
2 hours

Run in 33% 9 grams 10 ft
Each coil
#129 Acid treated flake 4.1
Greek 23.9 396 drops Wt 11.057

10216 382 " Wt 10.954

10217 348 " Wt 10.772
Flake heavy

10218 Dup of 10215

Bent with Reg tubes —

88% ROH 9 grms 2 ROH.

	376 dumped	Coef	10.730
10219	373 "	Coef	10.828
10220 Bracketed	371 "	Coef	10.883

3 lake Lucy

10 221

R.A 721 Sample of 6 lbs 7 oz ground for Rogers and screened by hand. 40% fines through 50 mesh and finer. These tests are to see if the green is OK. Rogers Regular tubes machine made.

6 x Rings, 24 green, 4 Clusterinted flakes not acid treated

Flake 44.2 6 Rings

Green 24.0

Sforing 1/64 inch

29 lbs 0 H

393 dumps wet 11.149

10222 405 dumps wet 11.263

2 | 22.412
11.206

10223 Duplicate of #10221

21% KOH + 2 gm LiOH

Sprung 1/64 inch.

Cracked end 393 dumps wt 10962

10224 393 " wt 11.041

10225. Tubes made in Rogers Machine #1
24 Screen 14 Eluteriated flakes from Lab. #721 R.A green Sample #1 - 25 lbs taken
2.96 KOH. 6 rings
Flakes 14.4 average of 4 tubes
Screen 2n 6. average of 4 tube

Tube Spring 1/64 inch. 390 dumps wt 11.176

10226 390 " wt 11.301
Tubes 1 row perforations less on the seam rings put on with Rogers ring machine
This group made to see how the machine ground screen works.

10227 Slurp of 10225

21% KOH + 2 gm LiOH

Sprung 1/64 inch

390 dimpernt 11.076

10228 390 " wt 11.291

10229 Greenley #3 Flake

Clump of #10225 Except #3 Mi flake
Flake Epideyd, and Throw it not purified
2.96KOH 6 rings
3 flake 4.4
Green 24.6

Julian Spring/66 mesh 374 dump cut 11,340

10230 374 " cut 11,281

10231

Same as # 10225 Except

~~20 gm KOH + 2 gm LiOH~~

21% KOH + 2 gm LiOH

Spring 1/64 inch.

97# damper wt 11.273

97# " wt 11.499

10232

10233 Greenley #3 Flake
Sample #14 of R.Q.#721 Green
Made in Machine #11
Cannot get nickel slide to take any
2196KOH) less, unless new slides were used.
Springs

Flake 4.2
Green 25.0
Springs slightly (L)

327 dumps wt 11101

10234 329 " wt 10,831

10235

Repl. of # 10233

2% KOH. 2.0 gms LiOH

Slightly Spongy. (2)

379 dumped wt 10934

10236 379 " wt 11.015

10237 Tubes made in Battery Bldg
8 Rings made in Machine #7
Greenbrier # 8+10 Flake
R.A #7/8 Green. from Sample #6
2.076 KOH.
Flake 4.4
Green 021

Tubes Slightly Spongy 425 in Sample wt 11.095

425 in wt 11.067

10238
Green Bulky. Flake heavy.

10239 Like pg # 10237
2-76 X20 H. 2 cyl 2-cycle O H.

Tuber Slightly Sprung #25 dump/parts 11.190

10240 #25 " wt 11.191

10241 Rogers tubes Grew in
Cell that has 2 charges —
728 green 24 flake - poor
Each gave ——— amperes
24 hour chgs — 8 Rings
21% KOH + 2 gm LiOH
6 tubes 2 ft' each
Slightly spung.

10242 ———

10243 ———

10244 ———

10245 ———

10246

10247

6 Tubes dup of 10241

But never run

21% KOH + 2 gm LiOH

Lightly Sparing.

10248

10249

10250

10251

10252

10253 Slurp of #10247
Only made at the Lab.
Flaker #24 screw #720 from Rogers.
21% KCl
Flaker 4.2 423 dumps wt 41,511
Screw 24.1
10254 ÷16 " wt 11,370

10255 415 " wt 11.332
Slightly Spring.

$$\begin{array}{r|l} 3 & 3\,4\,2\,1^{3} \\ & 1\,1\,4\,0\,4 \end{array}$$

10256 Tubes given to me by Mrs Rogers. #730 Tin Hydrate, 26 #27 Tin flakes Oxidized and run through Hydrogen Tubes have never been used yet
21% KOH + 2 gm LiOH & Ridge
Slightly Sprung.

10257

10258

10259

10260

10261

10267 Tubes from Rogue. Flake #27 Screw #730 & Rings

~~21% KOH + 2 gm LiOH~~

10263

10264

10265 Tubes from Rogers
~~20% KOH + 2 gm LiOH~~
Flake # 25 Screw # 730
21% KOH + 2 gm LiOH 8 Rings —

10266 —

10267 —

10268 Tubes from Rogers,
21% KOH + 2 gm LiOH
F. label #29 Green #738
8 Rings

10269

10270

10271 Tubes from Rogers.
RG #730 green #30 in flake, stickyfet + annealed.

21% KOH + 2 gm LiOH

10272

10273

10274 Tubes from Rogers.
R.A # 730 green, # 32 in flake, oxidized and annealed

21% KOH + 2 gm LiOH

10275

10276

10277 Rogers Tubes, Flake #34 Green #730

21% KOH + 2 gm LiOH

10278

10279

10280 Rogers Tubes
Flake #35 Green #730

21% KOH + 2 gm LiOH

10281

10282

10283 Rogers Tubes.
Flake #36 Screw #730

21% KOH + 2 gm LiOH.

10284

10285

10286 Taken from Manuahaw
Oxidized and run through hydrogen in flake
Filter Flake N # 15A Screen # 732
21% KOH + 2 gm LiOH

10287

10288

10289 Long Tube 8 Rings

21% KOH

Plated 5 hours with 20 mil amps. in Saturated solution of Sulfate of Nickel + ammonia. Plated 1 hour off 2 - and all night no current.

Dark color seems to be plated.

10290 Electrolyte # 10289
Except 21% KOH + 2 gm LiOH

10291 · New Tubes
Plated 10 hours in Nickel Ammonium Sulphate
1 hour on 2 hours off -
Current off nights and Sunday.
Soaked in Water then in KOH warm.
21% KOH + 2 gm LiOH

10292 Duplicate of Above.
Eye pat. 21% KOH.

10293 #3. Long Tubes
Has been plated 40 hours at rate of 1 hour on, 2 hours off Nights + Sundays

21% KOH + 2 gm LiOH

10294

10295 #5 Long tube
1 St soaked in Ammonium Nickel Sulphate, dried then put in cell Ammonia Nickel Sulphate + plated 5 hours.

21% KOH + 2 gm LiOH

10296 Two tubes

Warm and dip in concentrated for 5 mins. Ammon Nickel Sulphate, dry and warm Ammon Nickel Sulphate again for 10 seconds, dry on asbestos for ½ hour, then dip again 10 seconds and dry ½ hour, then dip again 10 seconds and put in a cell with concentrated Ammon. Sulphate, making the tube cathode, use 30 mill Amp portable for 3 hours, use a nickel anode. Next put tubes in until current is on

21% KOH + 2 gm LiOH

10297

10298 8 Long Tubes from the Auto. A4 Shells fired which made 5000 miles

21% KO H.

10299

10300

10301

10302

10303

10304 Two of the 5000 Endurance tubes put up with 33% KOH 4 gms LiOH Let them stand 24 hours, then send them up for test. To be run ½ rate charge + discharge + solution poured out + 21% [illegible] put in and run reg.

10305

10306 Duplicate of above, but two charges + discharges ½ rate in 33% KOH + 4 gms LiOH, + then remove the solution put in [illegible] Run Regular

10307

10308 3-Tubes made at Battery
Storkis Solid Ends

#738 green #18 Al flake. 8 Rings

21% [illegible]

10309

10310

10311 Same as 10308 Except Hollow Rubber Ends

21% KOH + 2 gm LiOH

10312

10313

10314 10 Tubes from 5000 Endurance
cell #69
#7180 green
11-12-13 & 18 in flakes,
8 Rings

10315

10316

10317

10318

10319

10320

10321

10322

10323

10324 10 Tubes from 5000 Endurance
Cell# 127
#718 green
#19+20 flakes.
21% KOH [illegible] 8 Rings

10325 —

10326 —

10327 —

10328 —

10329 —

10330 —

10331 —

10332 —

10333 —

10334 739 green
Lapis in tuffe 1/8 inch apart for knowledge
New calcs.
50N 179W

21% [illegible]

10335

10336

10337 #739 green
caps in tube 1/4 inch apart for
Am Hodge. Reed style caps.
5QN 17QN

21% KOH + 2 gm LiOH

10338

10339

Feb. 25, 09.

10340 739 green thro 30 and 190 mesh
Lot #155 Stock #28 Ni flake
These tubes were made with the new
Automatic loading machines, with revolv-
ing funnels on the green side.
Floor Storage Pasting Bldg.
21% KOH + 2 gm LiOH Run Regular.
357 dumped wt 10.556

10341 " " wt 10.538

10342 Long Tubes from Storage Batt. Co
The rings which have been put
on by using graphite.
~~21% KOH + 2 gm LiOH~~ Port 3 + 1021 #16 after 50 hrs
change to plain 21% KOH.

— dump wt —

10343 — " wt —

10344 — " wt —

10345 2 lb lot Bi treated flake
Rd. #853 Ni(OH)2
21% KOH + 2 gm LiOH Run Regular.
From the three cell lot for Holland
#1040 Fe used.

369 dumper wt) 10.876

10346 369 " " 10.876

Average wt)

10347 3 Tubes made at the Battery Works. Tube stock not reperforated.
Flake Lot #11 Ruhr (OH) #943.
21% KOH + 2 gm LiOH Run Regular.

10348 ——

10349 ——
Holland has duplicates of these, as a large cell.

10350 3 Tubes made at the Battery Works regular way, regular tubes. Flakes Lot 11 RA #943 2 in OH/2 21% KOH + 2 gm LiOH Run Regular

10351

10352

Holland has duplicate of these, as a large cell.

Oct-5, 09

10353 6 Tubes from Battery Works
Li Flake Lot #11 Mt Hydrate #949 RA.
21% KOH + 2 gm LiOH Run Regular Cold
Three days

10354

10355

10356

10357

10358

10359 6 Tubes from Battery Yonkers Oct 6, 09.
Ni flake Lot #11 Ni Hydrate #950 Rd.
21% KOH + 2 gm LiOH Flow Regular held 3 days.

10360

10361

10362

10363

10364

Oct. 7, 09.

10365 Nifleaker 6 Jules from Battery Works Lot #12. Ni(OH)2 RA #952

21% KOH + 2 gms LiOH Run Regular 3 days Load

10366

10367

10368

10369

10370

Oct. 8, 09

10371 6 Tubes from Battery Works.
Ni flake Lot #12 Ni(OH)$_2$ #56
21% KOH + 2 gm LiOH Run Regular 3 days cold

10372

10373

10374

10375

10376

Oct. 9, 09

10377 6 Tubes from Battery Works
Ni plate lot #12 Ra Ni O Hz #953
21% KOH + LiOH Run Regular 3 days 444

10378

10379

10380

10381

10382

Reid 7 Tubes

Oct. 11, 09.

Put up 6 Tubes from Battery Works
10383 Ni plates lot #12 Ref #953 Ni(OH)2
21% KOH + 2 gm LiOH Run Regular 3 days Cold.

10384

10385

10386

10387

10388

Rings was very loose. Sent back for tubes with tight rings.

Oct. 12, 09.

10389 6 Tubes from Battery Works
Ni flake Lot #13 Ref #955 Ni(OH)2
21% KOH + 2 gm LiOH Run Reg. Todayswork

10390

10391

10392

10393

10394

Oct. 13, 09.

10395 6 Tubes from Battery Starter
Ni flake Lot # 12 RA # 959 $Ni(OH)_2$
21% KOH + 2 gm LiOH Run Reg. 3 days cold

10396

10397

10398

10399

10400

Oct. 14, 09.

10401. 6 Tubes from Battery Hanles
Ti flake Lot #12. Ref # 959 Zn/O H_2
21% KOH + 2 gm LiOH Run Regular, 3 charge cycled

10402 ——

10403 ——

10404 ——

10405 ——

10406 ——

Oct. 15, 09.

10407 None Received

~~Shut down on account of bad Ni OH/2~~

Oct. 16, 09.

None Received

Running slow Shut down, bad Ni OH/2. ~~Blisters in fingers when feeling~~

Oct. 18, 09.

10407 6 Tubes from Battery Stokes

Ni flake Lot 12. Rd. #69 Ni OH/2

Run Reg. 3 days cold

10408

10409

10410

10411

10412

Oct. 19, 09.

10413. 6 Tubes from Battery Works.
In plates Lot #13 R.A. #9713 In 6 Hr
Raw Regulars 3. days sold.

10414

10415

10416

10417

10418

Oct. 20, 09. None Received

10419 Oct. 21, 09. 6 Tubes from Battery Works.
Mi Flake Lot #13 RA #974 Mi ϕ H2
Run Regular 3 days each

10420

10421

10422

10423

10424

Oct. 22, 09.

10425 6 Tubes from Battery Works.
Ni flake Lot 13 Ni hydrate #975
Runs Reg. 3 days cold.

10426

10427

10428

10429

10430

Oct. 23, 09.

10431 6 Tubes from Battery Workes
Lot 13 Ni flake Rd #98 Ni O H 2
21% KOH + 2 gm LiOH Running 3 days old

10432

10433

10434

10435

10436

Oct. 25, 09.

10437 6 Tubes from Battery Workers
Lot # 13 Ni flaked. RQ. # 680 $LiOH/_2$
21% KOH + 2 gm LiOH Run Reg. 3 days cold.

10438 ———

10439 ———

10440 ———

10441 ———

10442 ———

Oct. 26, 09.

10443 6 Tubes from Battery Works.
In flake Lot 14 Rel. # 986 In 6 H/2
81% KOH + 2 gms LiOH Run Regular 3 days cold

10444 ——

10445 ——

10446 ——

10447 ——

10448 ——

Oct. 27, 09.

10449 6 Tubes from Battery Alaska
Ni flake Lot 14- Rq. #979 Ni 6 Hr
Run Regular 3 days 10 H

10450

10451

10452

10453

10454

Oct. 28, 09

10455 6 Tubes from Battery Hoopes
Ni flake Lot 14. Ref #984 Ni(OH)2
21% KOH + 2 gm LiOH Runs Reg 3 days cold.

10456

10457

10458

10459

10460

Oct 28/09

10461 6 Tubes from Battery works
Special tubes ~~Nickel~~ Platinum 14-
Double tanks? Rd# 990 MOH2
Running 3 days cold.

10462

10463

10464

10465

10466

Oct. 29, 09.

10467 6 Tubes from Battery Hopkins
Ni flakes Lot 14- Rd. #987 Ni(OH)2
21% KOH + 2 gm LiOH Runs Regulars 3 days cold.

10468

10469

10470

10471

10472

Cost .30, 09

10473 6 Tubes from Battery Works
Ni flake Lot 14 Rq. #977 Ni(OH)2
21% KOH + 3 gm LiOH Penn Regulars. Hayes sold.

10474

10475

10476

10477

10478

Oct. 30, 09

10479 Special 5 tubes from Battery Works
Lot # 2 Special Ni plate Ra #977 Ni(OH)2
Lot 14
21% KOH + 2 gm LiOH Run Regular 3 days cold
Rings put on the present way.

10480 ——

10481 ——

10482 ——

10483 ——

Oct. 30, 09.

5 Special tubes from Battery Works.
Lot 14 Ni plate Ra. #977 Ni(OH)2
Lot #1 Special, tight rings
21% KOH + 2 gm LiOH Run Regular 3 days cold

10484 ——

10485 ——

10486 ——

10487 ——

10488 ——

10489 6 Tubes duplicate of the cell with flat flake given to Holland.
Made at Storage Battery Bldg.
Circular hopper & vane stirrer 91 revolutions to the dump of flake. D Machine
Ni flake 230 B 4 X 1½ Min. Ni. 20 sec. Cu.
Rla = 987 Ni(OH)2
Fi lake 4.2 Green 27.1
21% KOH + 2 gm LiOH Run Regular 3 days cell.
Right hand spiral, old tubing machined.
3rd dump lot 9.835

10490	2	343	"	wt 9.910
10491	5	347	"	wt 9.790
10492	4	344	"	wt 9.470
10493	6	313	"	wt 9.035
10494	8	319	"	wt 9.070

Dump green, then flake & dump once.

10495 Duplicate of 10489 Except Left hand spiral, Cold tubing machine, 21% KOH + 2 gm LiOH Runs Regular 3 days old

	2, 296	dumpe wt	8.450
10496	3, 322	" wt	9.150
10497	4, 329	" wt	9.665
10498	5, 332	" wt	9.345
10499	2 282	" wt	8.270
10500	8, 329	" wt	9.605

10501 Duplicate of #10409 Except for
Right-hand spindle, German tubing machine
21% KOH + 2 gm LiOHRm Regulw. 3 days cold

10502 Average for dumpsof the 8 tubes 321

10503

10504 no weights taken

10505

10506

10507 Duplicate of 10509 Except
Left hand afsinal. German tubing machine
21% KOH + 2 gm LiOH Run Regular 3 days cell

10508 Average of 8 Tubes taken

10509 dumps 329

10510 No weights taken.

10511

10512

Nov. 1, 09

10513 6 Tubes from Battery Works
Ni flake Lot 14 RA # 967 Ni(OH)2
21% KOH + 2 gm LiOH Run Reg 3 days cold.

10514 ———

10515 ———

10516 ———

10517 ———

10518 ———

Nov. 2, 09.

10519 6 Tubes from Battery Works
Triflake Lot 14 - Rd. #981 Tilt Hyd
[illegible] Run Regular 3 days cold.

10520

10521

10522

10523

10524

Nov. 3, 09

10525 6 Tubes from Battery Works
Ni flake Lot 15. Ra #98 $Ni(OH)_2$
21% KOH + 2 gm LiOH Run Regular 3 days cold

10526

10527

10528

10529

10530

Mar 3,09

10531 6 Tubes from Battery Works
Ni flake Lot # 5 - RQ. #9 Ni(OH)2
21% KOH + 2 gm LiOH Run Regular 3 days old
Spec. Lot 4 Regular Lamps.

10532
10533
10534
10535
10536

Mar 3, 09.
6 Tubes from Battery Works
Ni flake Lot 15 - RQ #9 Ni(OH)2
21% KOH + 2 gm LiOH Run Regular 3 days old.
Spec. Lot 3. Heavy Lamps.

10537
10538
10539
10540
10541
10542

10543 Rd 854 Ni(OH)2
Lot 159 - Ni flake
Flake 4.3 Green 23.9 #2 Machine
3 dumps green, then flake + tamp once.
21% KOH + 2 gm LiOH Run Reg. 3 days cold

8593 green 378 dumps wt 10.030

10544 372 " wt 10.250 10140
Plunger would not rebound till after 30 dumps
was in tube. My plunger collar is 3/1000 larger
than the Storage Battery machines.

10545 4 dump. of above except loose weight
21% KOH + 2 gm LiOH Run Reg. 3 days cold

367 dumps wt 9.924

10546 369 " wt 10.077

2 | 20001 / 10000

8475 green

10547 R.A.#854 $LiOH/_2$

Lot 15 - Li flakes. This is their latest flakes.

Flakes 5.6 Green 23.9 #2 Machine

Klumps green, then flakes + tamps ovens.

Run Reg. 3. days cold.

358 dumps wt 10,351

10548 345 " wt 10,001

9.241 green 10175

10549 Klups. of above except loose weight.

21% KOH + 2 gm LiOH Run Reg. 3. days cold.

332 dumps wt 9.522

10550 328 " wt 9442

7.679 green 2/18964

9482

Nov. 4, 09.

10551 6 Tubers from Battery Parker
Miflake Lot 15- R.A. 7h 52m Dec 6H
87% FROM [illegible] FROM Run Regular 3 days cold.

10552 ———

10553 ———

10554 ———

10555 ———

10556 ———

Nov. 5, 09

10557. 6 Tubes from Battery Warden
Ni flake Lot 15- Rd #964 Ni(OH)2
21% KOH + 2 gm LiOH Run Regular 3 days old.

10558 ——

10559 ——

10560 ——

10561 ——

10562 ——

10563 Rd #854 Ni(OH)2 {Second Lot of tubes.}
Ni flake Lot 15.
Flake 5.6 Green 23.9 #2 Machine
21% KOH + 2 gm LiOH Run Reg. 3 days cold.
Dump green then flake & dump once.
Reg. dead wt.
359 dumps wt 10.438

10564 357 " wt 10.407

2 | 20845
10422

10565 Dump of above except last loose
stamps wt.

349 dumps wt 10.286

10566 353 " wt 10.431

2 | 20717
10358

10567 Rd #854 Ni 6 Hr
Ni flake Lot 159-
Flake 4-3 Green 23.9 #2 Machine
21% KOH + 2 gm LiOH Run Reg. 3 days cold.
Dumps green, then flake + tamped power.
Loose tamp wt.
360 dumps wt 10,145

10568 372 " wt 10,140

10569 Dump of above except 3½ lb
Read wt.
369 dumps wt 10,087

10570 369 " wt 10,155
242

10571 Flake B-17.X
R.O.#983 $LiOH_2$
New hopper + stirrer used to try the flakes.
Flake 4.2 Green 28.1 - D Machine
21% KOH + 2 gm LiOH Run Regular 3 days cold

	1	324 dumps wt		10.105
10572	3	313 "	wt	9.805
10573	4	326 "	wt	10.025
10574	5	330 "	wt	10.000
10575	6	299 "	wt	9.545
10576	8	317 "	wt	9.840

Fed the flakes as good as the other machines.

Nov. 6, 09.

10577 6 Tubes from Battery Workers
Ni flake Lot 15. Rq. #9 84 Ni(OH)2
2% KOH 1 Amp Run Regular 3 days old

10578 ——

10579 ——

10580 ——

10581 ——

10582 ——

Nov. 8, 09

10583 6 Tubes from Battery Works
Ni flake Lot 12. R.A. #1990 Ni(OH)2
21% KOH + 2 gm LiOH Run Reg. 3 days cold

10584 _____

10585 _____

10586 _____

10587 _____

10588 _____

Nov. 8, 09.

10589 6 Tubes from Battery Yprlss.
Ni flake Lot 15. Ra. #99 2nd O H₂
21% KOH + 2 gm LiOH Run Regular 3 days cold

10590 ———

10591 ———

10592 ———

10593 ———

10594 ———

Nov. 8, 09

10595 6 Inches from Battery Harlan
Lot 15 Ni flakes. RG. # 908 Ni(OH)2
21% KOH + 3 gm LiOH Runn Regulan 3 days cold

10596

10597

10598

10599

10600

Nov 9, 09.

10601 6 Inched from Battery Mates
Set 15-Ni flakes. Rd. # 969 Ni(OH)2
[illegible] Runs Regular 3. days cold.

10602 ———

10603 ———

10604 ———

10605 ———

10606 ———

10607 Rd. 85% $NiO(OH)_2$ Made for Mr Hodge.
Lot 159 Ni flake
Flake 4.3 Shrink 26.6 #2 Machine
Dump green, thin flake + tank mass, dead wt.
21% KOH + 2 gm LiOH Run Regular 3. days cold.

326 dumps wt 9.908

10608 331 " wt 9.963

10609 Dump of Above except, Loose wt.
21% KOH + 2 gm LiOH Run Regular 3, days cold.

326 dumps wt 9.935

10610 321 " wt 9.741

10611 Rh-999 $Ni(OH)_2$ Made for Mr Hodge.
Lot 16-Ni flake
Flake 4.3 Green 26.5 #1 Machine
Hump green, than flake + Tamponee.
Head weight

21% KOH + 2 gm LiOH Run Regular 3 days old

341 dumps wt 9.943

10612 334 wt 9.835
This green is bulkier than Rh-054 $Ni(OH)_2$

10613 Hump of above Except
Loose weight

21% KOH + 2 gm LiOH Run Regular 3 days old

335 dumps wt 9.816

10614 340 " wt 9.921

Nov. 10, 09.

10615 6 Tubes from Battery Works
Ni flake Lot 16. Rd #990 Ni(OH)2
Old style double tanks.
21% KOH +/2 gm LiOH Run Regular 3 days old.

10616
10617
10618
10619
10620

Nov. 10, 09. from Battery Works
10621. Ni flake Lot 16 - Rd. #990 Ni(OH)2
New Style
21% KOH +/2 gm LiOH Run Regular 3 days old.

10622
10623
10624
10625
10626

Nov. 10, 09

10627 6 Tubes from Battery Worker
Ni flake Lot #16. Rd #990 $Ni(OH)_2$
Old Style
21% KOH + 2 gm LiOH Run Regular 3. days cold.

10628
10629
10630
10631
10632

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6 Tubes from Battery Worker
Nov. 10 09
10633 Ni flake Lot #16. Rd #990 $Ni(OH)_2$
New Style heavy
21% KOH + 2 gm LiOH Run Regular 3. days cold.

10634
10635
10636
10637
10638

Nov. 11, 09.

10639 6 Tubes from Battery Works.
Ni flake Lot 16. Rd. #991 Ni (OH)2
Old Style Mach. J.
21% KOH + 2 gm LiOH Run Regulars. days old.

10640
10641
10642X This one had some ~~out~~ of moisture at the seam
10643 Showed to Mr Hodge.
10644

---

6 Tubes from Battery Works
Nov. 11, 09.
10645 New Style Mach. C I
Ni flake Lot 16 Rd #991 Ni(OH)2
21% KOH + 2 gm LiOH Run Regulars. days old.

10646
10647
10648
10649
10650

Nov. 11, 09.

10651 6 Tubes from Battery Works
Ni flake Lot 16. RA #991 Ni(OH)$_2$
Old style machine B. Cane tamp to each
dump of flake + hydrate
21% KOH + 2 gm LiOH Run Regular 3 days cold.

10652
10653
10654
10655
10656

---

6 Tubes from Battery Works
Nov. 11, 09.
10657 Ni flake Lot 16 — RA #991 Ni(OH)$_2$
New Style Mach. St ½ lb added to each plunger
21% KOH + 2 gm LiOH Run Regular 3 days cold.

10658
10659
10660
10661
10662

Nov. 12, 09.

11663 6 Tubes from Battery Worker
Lot 16 Ni flake. Rd. 992 Ni(OH)2
New Style machine B.
21% KOH + 2 gm LiOH Run Regular 3 days cold

11664
11665
11666
10667
10668 ~~Slightly low about~~ 200 Milligms.

10669 Nov. 12, 09. 6 Tubes from Battery Worker
Ni flake Lot 16 Rd #992 Ni(OH)2
Mach. B. (One) tamp to each dump of flake + hydrate,
21% KOH + 2 gm LiOH Run Regular 3 days cold

10670
10671
10672
10673
10674

Nov. 12, 09.

10675 6 Tubes from Battery Works
Ni flake Lot 16. Rd. #992 Ni(OH)2
½ lb added to each plunger. New Style.
21% KOH + 2 gm LiOH Run Regular 3 days old

10676
10677
10678
10679
10680

---

6 Tubes from Battery Works
10681 Nov. 12, 09.
Ni flake Lot 16. Rd. #992 Ni(OH)2
Old style mach. J.
21% KOH + 2 gm LiOH Run Regular 3 days old

10682
10683
10684 X
10685 X
10686 X

All these tubes are slightly low, the three last ones are lower than the.

Nov. 13, 09.

10687 6 Tubes from Battery Works
Ni flakes Lot #16. Reg. #993 $Ni(OH)_2$
Old style machine. 13. One stamp to
each dump of flake + hydrate.
21% KOH + 2 gm LiOH Run Reg 3. days cold

	wt	10.715
10688	"	10.368
10689	"	10.745
10690	"	10.528
10691	"	10.848
10692	"	10.598

Lot #16. Reg #993 6 Tubes from Battery Workes
Nov. 13, 09.
10693 New Style machine. 14. ½ lb added
to each plunger.
21% KOH + 2 gm LiOH Run Reg 3. days cold

10694	wt	10.331
10695	wt	10.439
10696	wt	10.436
10697	"	10.671
10698	"	10.511
	"	10.438

Nov. 13, 09.

10699 6 Tubes from Battery Works
Ni flake Lot 16. RQ. #993 $Ni(OH)_2$
Old Style mach. I
21% KOH + 2 gm LiOH Run Regular 3. days cold

	wt	9. 985
10700	"	10. 364
10701	"	10. 083
10702	"	10. 165
10703	"	10. 244
10704	"	10. 250

Nov. 13, 09.

10705. 6 Tubes from Battery Works
Ni flake Lot 16. RQ #993 $Ni(OH)_2$
New Style mach. I
21% KOH + 2 gm LiOH Run Regr. 3. days cold.

	wt	10. 248
10706	wt	10. 205
10707	"	10. 738
10708	"	10. 600
10709	"	10. 285
10710	"	10. 051

Nov. 15, 09.

10711 6 Tubes from Battery Works
Rd #994 Ni(OH)2 Lot 16 Ni flake
Old style machine J.
21% KOH + 2 gm LiOH Run Reg. 3. days old.

		wt	10,185
10712		wt	10.192
10713		"	10. 074
10714		"	10.180
10715		"	10.146
10716		"	10.133

Nov. 15, 09,
10717 6 Tubes from Battery Works
Ni flake Lot 16 Rd. #994 Ni(OH)2
New Sylamach, C I
21% KOH + 2 gm LiOH Run Reg. 3. days old.

		wt	1.8584
10718		"	10.287
10719		"	10.495
10720		"	10.784
10721		"	10.557
10722		"	10.531

Nov. 15, 09.

10723 6 Tubes from Battery Storks
Ni flake Lot 16. Rd. .994 Ni(OH)2
½ lb added to each plunger, New Style mach. W.
21% KOH + 2 gm LiOH Run Reg. 3. days cold

	———	wt	10. 219
10724	———	"	10. 235
10725	———	"	9. 946
10726	———	"	10. 065
10727	———	"	10. 030
10728	———	"	9. 893

Nov. 15, 09.

10729. 6 Tubes from Battery Storks
Ni flake Lot 16. Rd. .994 Ni(OH)2
Old style mach B. One tamp to each dump of flake hydrate.
21% KOH + 2 gm LiOH Run Regulars. days cold.

	———	wt	10. 695
10730	———	"	11. 016
10731	———	"	10. 186
10732	———	"	10. 843
10733	———	"	10. 650
10734	———	"	10. 490

Nov. 16, 09.

10735 6 Tubes from Battery Harbor
Lot 16 Ni flake Rd 995 Ni 6 H/2
Reg. Tubes
21% KOH + 2 gm LiOH Runn Reg 3 days to Cd

		wt	10,565
10736	———	"	10.657
10737	———	"	10.708
10738	———	"	10.675
10739	———	"	10.502
10740	———	"	10.523

Nov. 16, 09.

10741 6 Tubes from Battery Harbor
Lot 16 Ni flake. Rd# 995 Ni 6 H/2
New Style Machine. ½ lb added to each
following
21% KOH + 2 gm LiOH. Runn Reg. 3 days to Cd.

		wt	10.506
10742	———	"	10.230
10743	———	"	10.690
10744	———	"	10.279
10745	———	"	10.790
10746	———	"	11.075

Nov. 16, 09.

10747 6 Tubes from Battery Hanks
Ni flake Lot 16. Rd. #995 Ni(OH)2
Old style mesh. I.
21% KOH Runs Regulars. days old.

		wt 10.744
10748		" 10.662
10749		" 10.578
10750		" 10.880
10751		" 10.545
10752		" 10.697

Nov. 16, 09,

10753 6 Tubes from Battery Hanks
Ni flake Lot 16. Rd #995 Ni(OH)2
New Style mesh. No. 1.
21% KOH + 2. gm LiOH Runs Reg. 3. days old

		wt 10.880
10754		" 10.788
10755		" 10.762
10756		" 11.122
10757		" 10.853
10758		" 10.772

Nov. 16, 09

10759 6 Tubes from Battery Works
Ni flake Lot 16. RA. #998 Ni(OH)2
Old style mach. B. One tank for each dump of flake
hydrate. 21% KOH + 2 gm LiOH Runs Reg. 3 days cold.

		wt	11,470
10760		"	10929
10761		"	11,130
10762		"	11,230
10763		"	11,220
10764		"	10,722

Nov. 17, 09.
10765 6 Tubes from Battery Works
Ni flake Lot 17 - RA. #997 Ni(OH)2
Regular Tubes
21% KOH + 2 gm LiOH Runs Reg. 3 days cold.

		wt	10,379
10766		"	9,986
10767		"	10,266
10768		"	10,264
10769		"	10,198
10770		"	10,000

Nov. 17, 09.

10771 6 Tubes from Battery Works
Ni flake Lot 17 – Rd. #997 Ni(OH)2
new style mach. Wt. ½ lb added to each plunger

21% KOH + 2 gm LiOH Run Reg. 3. days cold

		wt	10.230
10772		"	10.526
10773		"	10.575
10774		"	10.587
10775		"	10.566
10776		"	10.487

Nov. 17, 09.

10777 6 Tubes from Battery Works
Ni flake Lot 16 Rd. #997 Ni(OH)2
Old style Mach. J.
21% KOH + 2 gm LiOH Run Reg. 3. days cold.

		wt	9.972
10778		"	9.517
10779		"	9.600
10780		"	10.026
10781		"	9.977
10782		"	9.904

Nov. 17, 09.

10783 6 Tubes from Battery Works
Lot 17 Ni flake Rd. 997 $Ni(OH)_2$
New style mach. B
21% KOH + 2 gm LiOH Run Reg. 3 days cold

		wt	10,602
10784		"	10,293
10785		"	10,390
10786		"	10,440
10787		"	10,442
10788		"	10,372

Nov. 17, 09.

10789 6 Tubes from Battery Works
Lot 17, Ni flake Rd 997 $Ni(OH)_2$
Old style mach. B. One tap to each dump of Nickel hydrate
21% KOH + 2 gm LiOH Run Reg. 3 days cold

	Scratched	wt	10625
10790	Scratched	"	10.405
10791		"	10,264
10792		"	10.642
10793		"	10127
10794		"	10,296

Nov. 18, 09.

10795 6 Tubes from Battery Works
Lot 17 Ni flake. Rd # 998.
Old style regular stock.
21% KOH + 2 gm LiOH Run Reg. 3 days old.

		wt	10,555
10796		"	10,460
10797		"	10,525
10798		"	10,225
10799		"	10,135
10800		"	10,535

Nov. 18, 09.

10801 6 Tubes from Battery Works
Ni flake Lot 17. Rd. #998 Ni(OH)2
Old style mech. B. one tamp to each dump of flake+hydrate
21% KOH + 2 gm LiOH Run Reg. 3. Days old.

		wt	10,750
10802		"	10,895
10803		"	10,785
10804		"	10,825
10805		"	10,735
10806		"	10,820

Nov. 18, 09.

10807 6 Tubes from Battery Station
Ni flake Lot 17. Rd #998 Ni(OH)2
New Style mesh St.= Heavy Tamp.
21% KOH + 2 gm LiOH Runs Reg. 3 days cold.

	wt	10,680
10808	"	10,765
10809	"	10,405
10810	"	10,570
10811	"	10,490
10812	"	10,530

Nov. 18, 09.

10813 6 Tubes from Battery Station
Ni flake Lot 17. Rd. #998 Ni(OH)2
Old style mesh. J.
21% KOH + 2 gm LiOH Runs Reg. 3 days cold.

	wt	10,395
10814	"	10,295
10815	"	10,275
10816	"	10,305
10817	"	9,985
10818	"	10,210

Nov. 18, 09.

10819 6 Tubes from Storage Battery Works.
Ni flake Lot 17. Rd. #998 W.C.H.
New Style mash. C.I.
21% KOH + 2 gm LiOH Run Regular

	———	wt	10.535
10820	———	"	10.455
10821	———	"	10.490
10822	———	"	10.675
10823	———	"	10.315
10824	———	"	10.515

Nov. 19, 09.

10825 6 Tubes from Battery Works
Ni flake Lot 17. Rd. #999
Old style mash. I.
21% KOH + 2 gm LiOH Run Reg. 3. days old.

	———	wt	10. 540
10826	———	"	10. 725
10827	———	"	10. 430
10828	———	"	10. 360
10829	———	"	10. 465
10830	———	"	10. 630

Nov. 19, 09.

L0831 6 Tubes from Battery Works
Ni flake Lot 17. Rd. #999 $Ni(OH)_2$
Old style mach. B Over tank, each dump of flake & hydrate
21% KOH + 2 gm LiOH Run Reg. 3 days cold.

		wt	10,790
10832		"	10.975
10833		"	11.110
10834		"	11.135
10835		"	10.970
10836		"	11.090

Nov. 19, 09.

10837 6 Tubes from Battery Works
Ni flake Lot 17. Rd. #999 $Ni(OH)_2$
Heavy tank, Mach. H.
21% KOH + 2 gm LiOH Run Reg. 3 days cold.

		wt	11,030
10838		"	10.430
10839		"	10.885
10840		"	11.120
10841		"	10.810
10842		"	10.870

Nov. 19, 09.

10843 6 Tubes from Battery Works.
Ni flake Lot 17. Rd #999 Ni(OH)2
New Style Mach. R.S.
21% KOH + 2 gm LiOH Run Reg. 3. days cold

		wt	10,620
10844		"	10,865
10845		"	10,590
10846		"	10,860
10847		"	10,525
10848		"	10,795

Nov. 19, 09.

10849 6 Tubes from Battery Works
Ni flake Lot 17. Rd #999. Ni(OH)2
General Production.
21% KOH + 2 gm LiOH Run Reg. 3. days cold.

		wt	10,680
10850		"	11,035
10851		"	10,635
10852		"	10,430
10853		"	10,580
10854		"	10,625

Nov. 20, 09.

10855 6 Tubes from Battery Works
Lot 17 - Ni flake. Rq # 1006 Ni(OH)2
B. mach. Care taken to keep flake + hydrate
21% KOH + 2 gm LiOH Run Reg. 3 days cold.

	———	wt	10,805
10856	———	"	11. 210
10857	———	"	10995
10858	———	"	10,990
10859	———	"	10,570
10860	———	"	10.515

Nov, 20, 09.

10861 6 Tubes from Battery Works
Ni flake Lot 17. Rq. # 1000 Ni(OH)2
Heavy tamp W. mach.
21% KOH + 2 gm LiOH Run Reg. 3 days cold.

	———	wt	10,575
10862	———	"	10.905
10863	———	"	10.935
10864	———	"	10.795
10865	———	"	10,555
10866	———	"	10.735

Nov. 20, 09.

10867 6 Tubes from Battery Works
Ni flake Lot 17. Rq. # 1000 Ni(OH)2
New Style C1
21% KOH + 2 gm LiOH Run Reg. 3 days cold.

	wt	10,640
10868	"	10,400
10869	"	10,475
10870	"	10,655
10871	"	10,600
10872	"	10,225

Nov. 20, 09,

10873 6 Tubes from Battery Works
Ni flake Lot 17. Rq. # 1000 Ni(OH)2
Seieral Production.
21% KOH + 2 gm LiOH Run Reg. 3. days cold.

	wt	10,275
10874	"	10,400
10875	"	10,510
10876	"	10,440
10877	"	10,660
10878	"	10,480

Nov. 20, 09.

10879 Ni flake Lot 17. 6 Tubes from Battery Works Rd #1000 Ni(OH)$_2$
Old style } mach.
21% KOH + 2 gm LiOH Run Reg. 3 days old

		wt	10.555
10880		"	10.055
10881		"	10.315
10882		"	10, 440
10883		"	10, 150
10884		"	10. 340

Nov. 22, 09.

10885- Ni flake Lot 17. 6 Tubes from Battery Works Rd # 1002 Ni(OH)$_2$
Heavy stamp Pkt mach.
21% KOH + 2 gm LiOH Run Reg. 3 days old.

		wt	10.700
10886		"	10.930
10887	Bad Weight	"	9.070
10888		"	10.750
10889		"	10.925
10890		"	11.135

Nov. 22, 09.

10891 6 Tubes from Battery Works
Ni flake Lot #17, Rd # 1062 Ni(OH)2
New Style Cº Mach.
21% KOH + 2 gm LiOH Run Reg. 3 days cold.

		wt	10+20
10892	———	"	10.630
10893	———	"	10.805
10894	———	"	10.440
10895	———	"	10.665
10896	———	"	10.570

Nov. 22, 09.

10897 6 Tubes from Battery Works
Ni flake Lot #17, Rd # 1062 Ni(OH)2
(Use temp to each dump, flake + hydrate Machine B.
21% KOH + 2 gm LiOH Run Reg. 3 days cold.

		wt	10. 850
10898	———	"	10. 870
10899	———	"	10. 550
10900	———	"	11.030
10901	———	"	10. 285
10902	———	"	10. 795

Nov. 22, 09.

10903 6 Tubes from Battery Works
Ni flake Lot 17. Ra. #1002 $Ni(OH)_2$
Cold style mach. J.
21% KOH + 2 gm LiOH Run Reg. 3 days cold.

		wt
10904	"	10.455
10905	"	10.525
10906	"	10.375
10907	"	10.530
10908	"	10.645
		10.570

Nov. 22, 09.

10909 6 Tubes from Battery Works
Ni flake Lot 17. Ra. #1002 $Ni(OH)_2$
General Production
21% KOH + 2 gm LiOH Run Reg. 3 days cold.

		wt
10910	"	10.790
10911	"	10.870
10912	"	10.415
10913	"	10.990
10914	"	10.630
		10.685

From this group
ON all long tubes should
be soaked 24 hours before
putting on test unless ordered
otherwise.

#10915
Nov. 23, 09.

Nov. 23, 09.

10915 6 Tubes from Battery Works.
Ni plaque Lot 17. Rd. # 1005 Ni(OH)2
General Production.
21% KOH + 2 gm LiOH Runs Reg. 3 days cold.

		wt	10,400
10916		"	10,890
10917		"	10,420
10918		"	10,640
10919		"	10,855
10920		"	10,660

Nov. 23, 09.

10921 6 Tubes from Battery Works
Ni plate Special 1052. Rd. # 1005 Ni(OH)2
New Stirrer on D Machine
21% KOH + 2 gm LiOH Runs Reg. 3 days cold.

	Sooo ringe	wt	10,390
10922		"	10,330
10923		"	9,900
10924		"	10,300
10925		"	10,585
10926		"	9,840

Nov. 24, 09

10927 6 Tubes from Battery Stanley
Ni flake Lot 18. Rd. #1006 Ni(OH)2
Normal Production.
21% KOH + 2 gm. LiOH Run Reg. 3 days cold.

		wt	10.515
10928		"	10.380
10929		"	10.715
10930		"	10.305
10931		"	10.440
10932		"	10.620

Nov 26, 09.
10933 6 Long tubes from Battery Works
Lot 18 Ni flake. Rd. # 1007 Ni(OH)2
Normal Production.
21% KOH + 2 gm. LiOH Run Reg. 3 days cold

		wt	10.545
10934		"	10.670
10935		"	10.595
10936		"	10.620
10937		"	10.670
10938		"	10.520

Nov. 27, 09.

10939 6 Tubes from Battery Works
Ni flake Lot 18 RA # 1008 $Ni(OH)_2$

Run Reg. 3, days sold.

		wt	10.450
10940		"	10.355
10941		"	10.525
10942		"	10.810
10943		"	10.690
10944		"	10.395

Nov. 29, 09.

10945 6 Tubes from Battery Works
Ni flake Lot 18. RA # 1009 $Ni(OH)_2$

General Production

Run Reg. 3, days sold.

		wt	10.870
10946		"	10.620
10947		"	10.425
10948		"	10.455
10949		"	10.210
10950		"	10.545

Nov. 30, 09.

10951 6 Tubes from Battery Harbor
Lot 18 Miflake. RA #1011 Mi(OH)2
General Production.
% [illegible] Run Reg. 3 days cold.

		wet	10.270
10952		"	10.460
10953		"	10.465
10954		"	10.365
10955		"	10.010
10956		"	10.320

Dec. 1, 09. 6 From Battery Harbor
10957 Lot 19 Miflake. RA# 1013 Mi(OH)2
General Production
% [illegible] Run Reg. 3 days cold.

		wet	10.720
10958		"	10.670
10959		"	10.740
10960		"	10.285
10961		"	10.660
10962		"	10.320

Dec. 2, 09.

10963 6 Inlets from Battery Works
Ni flake Lot 19. Rd # 1613 Ni(OH)2
General Production
21% KOH + 2 gm LiOH Run Reg. 3 days cold.

	——	wt	10,870
10964	——	"	10,430
10965	——	"	10,470
10966	——	"	10,555
10967	——	"	10,555
10968	——	"	10,750

Dec. 3, 09.

10969 Ni flake Lot 19. Rd. # 1615 Ni(OH)2
General Production
21% KOH + 2 gm LiOH Run Reg. 3 days cold.

	——	wt	10,450
10970	——	"	10,320
10971	——	"	10,160
10972	——	"	10,205
10973	——	"	10,495
10974	——	"	10,285

Dec. 4, 09.

10975 6 Tubes from Battery Works
Wiffleke Lot 19. RA. #1016 Ni OH/2
General Reduction.
Run Reg. 3 days cold.

	wt	10.185
10976	"	10.380
10977	"	10.360
10978	"	10.310
10979	"	10.380
10980	"	10.435

Dec. 6, 09.

10981 6 Tubes from Battery Works
Wiffleke ~~Lot~~ 19 RA. # 1018 Ni OH/2
Run Reg. 3 days cold.

	wt	10.705
10982	wt	10.820
10983	"	10.625
10984	"	10.700
10985	"	10.640
10986	"	10.680

Dec 7, 09.

10987 6 Inlocs from Battery Works
Lot # 19 Niflake. Rd. # to 19 Ni(OH)2
33% KOH + [illegible] Run Reg. 3 days cold.

General Production.

	———	wt	10,442
10988	———	"	10.557
10989	———	"	10,932
10990	———	"	10,527
10991	Bad tube	"	9,607
10992	———	"	10,587

Dec. 8, 09

10993 6 Inlocs from Battery Works.

General Production

~~2KOH~~ + 2gmLiOH Run Reg. 3 days cold
Niflake Lot 19. Rd # 1020 Ni(OH)2

	———	wt	10,437
10994	———	"	10,327
10995	———	"	10,272
10996	———	"	10,057
10997	———	"	10,127
10998	———	"	10,222

Dec 9, 09.

10999 6 Tubes from Battery Works
Ni flake Lot 19. Ref. #1013 $Ni(OH)_2$
General Production
21% KOH + 2 gm LiOH Run Reg. 2 days cold.

	wt	10.187
11000	"	10.162
11001	"	9.792
11002	"	10.962
11003	"	10.227
11004	"	10.107

Dec 9, 09.

11005 6 Tubes from Battery Works
Ni flake Lot 19. Ref. #1012 $Ni(OH)_2$
General Production.
21% KOH + 2 gm LiOH Run Reg. 3, days cold.

	wt	10.027
11006	"	10.202
11007	"	10.287
11008	"	9.747
11009	"	9.502
11010	"	10.452

Dec 9, 09

11011 6 Tubes from Battery Works
Ni flake Lot 20. Rq. #1023 Ni(OH)2
General Production
21% KOH + 2 gm LiOH Run Reg. 3 days cold.

	wt	9.967
11012	"	9.967
11013	"	10.022
11014	"	10.182
11015	"	10.152
11016	"	10.082

Dec 9, 09.
11[illegible] one tube from Battery Works
Ni flake Lot 20. Rq. # 1026 Ni(OH)2
21% KOH + 2 gm LiOH Run Reg. 3 days cold
wt 10.492

Dec 10, 09
11017 6 Tubes from Battery Works
Ni flake Lot 20 Rq. #1026 Ni(OH)2
General Production
21% KOH + 2 gm LiOH Run Reg. 3 days cold.

	wt	10.167
11018	"	10.452
11019	"	10.317
11020	"	9.887 Bad wt.
11021	"	10.092
11022	"	10.022

Dec 11, 09.

11023 6 Tubes from Battery Works
Lot 20 Ni flake, RQ. #1027 Ni(OH)2
Regular Production.
21% KOH + 2 gm LiOH Run Rq. 3. days old.
—— wt 10.097
11024 —— " 10.167
11025 —— " 10.062
11026 —— " 10.097
11027 —— " 10.252
11028 —— " 10.302
This group rings were peeling.

Dec. 13, 09.
11029 6 Tubes from Battery Works
Lot 20 Ni flake. RQ. #1028 Ni(OH)2
General Production
21% KOH + 2 gm LiOH Run Rq. 3 days old.
—— wt 10.182
11030 —— " 10.212
11031 —— " 10.027
11032 —— " 10.297
11033 —— " 10.152
11034 —— " 10.182
Dec 13 09. Reported rings were bad, flaking off.
Reported Tubes at the perforations were being struck too deep.

Dec. 14, 09.

11035 6 Tubes from Battery Works
Lot # 20 Ni flaked Ra. # 1326-1 C H
General Production
21% KOH + 2 gm LiOH Run Reg. 3, days old.

	———	wt	10.182
11036	———	"	10.159
11037	———	"	10.062
11038	———	"	10.142
11039	———	"	10.002
11040	———	"	10.297

Ni peeled on some of these tubes.

Next Number in Book # 2 Long tubes